

AMENDMENTS TO THE CLAIMS

1-5. (Cancelled)

6. (Currently Amended) A receiving apparatus comprising:

a content receiving unit operable to receive content including presentation data which is includes one of printing data ~~or~~and displaying data, and presentation control information associated with the presentation data, the presentation control information including presentation specification information describing a presentation specification related to an output by printing or displaying by a first presentation apparatus, and being previously defined in order to guarantee uniqueness of a page layout of the presentation data, and a style sheet describing presentation settings for when the presentation data of the content is printed or displayed based on a presentation specification, the presentation specification being related to an output by printing or displaying by a first presentation apparatus, and being previously defined in order to guarantee uniqueness of a page layout of the presentation data, and the presentation control information also includes presentation specification information related to the presentation specification; a presentation control information extraction unit operable to extract the presentation control information from the received content;

a presentation apparatus specification information obtainment unit operable to obtain, from a second presentation apparatus connected to the receiving apparatus, presentation apparatus specification information related to an output by printing or displaying by the second presentation apparatus; ~~and~~

an update judgment unit operable to compare the presentation specification information included in the presentation control information with the obtained presentation apparatus specification information and to judge whether to update the style sheet or not; and ~~not~~

a content output unit operable to output, to the first presentation apparatus, (i) the presentation data which is outputted by printing or displaying based on the presentation specification and the style sheet included in the presentation control information, and (ii) a result of the judgment.

7. **(Currently Amended)** The receiving apparatus according to Claim 6, wherein the presentation apparatus specification information includes a page margin indicating a presentation range of the second presentation apparatus as a specification of an output by printing or displaying by the second presentation apparatus.

8. **(Currently Amended)** The receiving apparatus according to Claim 6, wherein the presentation specification information includes presentation apparatus information specifying one of (i) at least the second presentation apparatus that is a displaying apparatus or a printing apparatus, and (ii) a model of the second presentation apparatus, and the said update judgment unit is operable to compare the presentation apparatus information included in the presentation control information with the obtained presentation apparatus specification information and to judge whether the to update the style sheet or not.

9. **(Currently Amended)** A receiving apparatus comprising:
a content receiving unit operable to receive a content including (i) presentation data which is one of printing data and displaying~~display~~ data, and (ii) presentation control information associated with the presentation data, the presentation control information including presentation specification information related to a presentation specification, the presentation specification being related to an output by displaying or printing by a first presentation apparatus, the presentation specification being previously defined in order to guarantee uniqueness of a page layout of the presentation data, and the presentation control information also includes a style sheet describing presentation settings used ~~for~~ when the presentation data of content is printed or displayed by the first presentation apparatus;
a presentation control information extraction unit operable to extract the presentation control information from the received content; and
an output unit operable to output by printing or displaying the presentation data based on the presentation specification and the style sheet that are included in the presentation control information.

10. **(Currently Amended)** A presentation apparatus comprising:

a content obtainment unit operable to obtain, from a receiving apparatus connected to the presentation apparatus, a content that includes (i) presentation data which is one of printing data and displaying data, and (ii) presentation control information associated with the presentation data, the presentation control information including presentation specification information related to a presentation specification, the presentation specification being related to an output by displaying or printing by a first presentation apparatus, the presentation specification being previously defined in order to guarantee uniqueness of a page layout of the presentation data, and the presentation control information also includes a style sheet describing presentation settings used for when the presentation data of content is printed or displayed by the first presentation apparatus;

a presentation control information extraction unit operable to extract the presentation control information from the obtained content;

an update judgment unit operable to compare the presentation specification information included in the presentation control information with presentation apparatus specification information concerning a specification regarding output and judge whether to update the style sheet or not;

a layout rule extraction unit operable to extract a layout rule indicating a selection range of parameters of the presentation settings from the presentation apparatus specification information in the case of updating the style sheet as a result of the judgment;

a style sheet update unit operable to change the parameters of the style sheet with reference to the extracted layout rule and the style sheet; and

a presentation unit operable to print or display the presentation data based on the updated style sheet.

11. **(Currently Amended)** The presentation apparatus according to Claim 10,

wherein the presentation specification information includes presentation apparatus information specifying one of (i) at least one of a second presentation apparatus which is one of a

display apparatus ~~or~~and a printing apparatus, and (ii) a model of the second presentation apparatus, and

the update judgment unit is operable to compare presentation apparatus information included in the presentation control information with the presentation apparatus specification information and to judge whether to update the style sheet or not.

12-39. **(Cancelled)**

40. **(Currently Amended)** A content presentation system comprising a distribution server having a content generation apparatus, and a receiving apparatus for receiving printing or displaying content from the distribution server and for causing a second presentation apparatus which is one of a printing apparatus and a displaying apparatus connected to the receiving apparatus to print or display the received printing or displaying content,

wherein the content generation apparatus includes:

a presentation control information generation unit that generates presentation control information including (i) presentation specification information related to a presentation specification, the presentation specification being related to an output by printing or displaying by a first presentation apparatus, and the presentation specification being previously defined so as to guarantee uniqueness concerning a page layout of presentation data, and (ii) a style sheet describing presentation settings which are one of printing settings and display settings of the presentation data by one of the first presentation apparatus and a model of the first presentation apparatus; and

a content generation unit that associates the presentation data with the presentation control information and generates a printing or displaying content including the presentation data and the presentation control information,

wherein the receiving apparatus includes:

a content receiving unit that receives the printing or displaying content;

a presentation control information extraction unit that extracts the presentation control information from the received printing or displaying content; **and**

a presentation apparatus specification information obtainment unit operable to obtain, from a second presentation apparatus connected to the receiving apparatus, presentation apparatus specification information related to an output by printing or displaying by the second presentation apparatus;

an update judgment unit operable to compare the presentation specification information included in the presentation control information with the obtained presentation apparatus specification information and to judge whether to update the style sheet or not; and

a content output unit that outputs the printing or displaying content to the first presentation apparatus based on the presentation specification and the style sheet that are included in the presentation control information, and

a content output unit operable to output, to the first presentation apparatus, (i) the printing or displaying content to be outputted by printing or displaying based on the presentations specification and the style sheet included in the presentation control information and (ii) the result of the judgment, and

wherein the presentation apparatus includes:

a content receiving apparatus that receives the printing or displaying content from the receiving apparatus; and

a layout rule extraction unit operable to extract a layout rule indicating a selection range of parameters of the presentation settings from the presentation apparatus specification information in the case of updating the style sheet as the result of the judgment;

a style sheet updated unit operable to change the parameters of the style sheet with reference to the extracted layout rule and the style sheet; and

a presentation unit that presents the presentation data based on the updated style sheet included in the received printing or displaying content.

41-43. (Cancelled)

44. (Currently Amended) A content presentation method for use in a system including a distribution server having a content generation apparatus and a receiving apparatus that receives

a printing or displaying content from the distribution server and causes a second presentation apparatus which is one of a printing apparatus and a displaying apparatus connected to the receiving apparatus to print or display the received printing or displaying content, the method comprising: a step A executed in the content generation apparatus; a step B executed in the receiving apparatus; and a step C executed in the second presentation apparatus,

wherein the step A includes:

a presentation control information generation step of generating presentation control information that includes (i) presentation specification information concerning a presentation specification, the presentation specification being related to an output by displaying or printing by a first presentation apparatus, and the presentation specification being previously defined in order to guarantee uniqueness concerning a page layout of presentation data which is one of printing data and displaying data, and (ii) a style sheet describing presentation settings which is one of printing settings and displaying settings of the presentation data by one of the first presentation apparatus and a model of the first presentation apparatus; and

a content generation step of associating the presentation data with the presentation control information and generating a printing or displaying content including the presentation data and the presentation control information,

the step B includes:

a content receiving step of receiving the printing or displaying content;

a presentation control information extraction step of extracting the presentation control information from the received printing or displaying content; and

a presentation apparatus specification information obtainment step of obtaining, from a second presentation apparatus connected to the receiving apparatus, presentation apparatus specification information related to an output by printing or displaying by the second presentation apparatus;

a updated judgment step of comparing the presentation specification information included in the presentation control information with the obtained presentation apparatus specification information and judging whether to update the style sheet or not; and

a content output step of outputting the printing or displaying content to the second

presentation apparatus based on the presentation specification and a style sheet that are included in the presentation control information, and

a content output step of outputting, to the first presentation apparatus, (i) the printing or displaying content to be outputted by printing or displaying based on the presentation specification and the style sheet included in the presentation control information and (ii) the result of the judgment, and

the step C includes:

a content receiving step of receiving the printing or displaying content and the result of the judgment from the receiving apparatus; and

a layout rule extraction step of extracting a layout rule indicating a selection range of parameters of the presentation settings from the presentation apparatus specification information in the case of updating the style sheet as the result of the judgment;

a style sheet update step of changing the parameters of the style sheet with reference to the extracted layout rule and the style sheet; and

a presentation step of presenting the presentation data based on the updated style sheet included in the received printing or displaying content.

45. **(Currently Amended)** A content presentation method for presenting presentation data which is one or displaying data and printing data of the content used in a content presentation system including a distribution server having a content generation apparatus, and a receiving side apparatus that receives a content from the distribution server and presents the received content by displaying and printing the received content, the method comprising: a step A executed in the content generation apparatus; and a step B executed in the receiving side apparatus,

wherein the step A includes:

a presentation control information generation step of generating presentation control information that includes presentation specification information concerning a presentation specification, the presentation specification being related to an output by displaying or printing which is performed by a first presentation apparatus, and the presentation specification being previously defined in order to guarantee uniqueness concerning a page layout of presentation

data; and a style sheet describing presentation settings which is used when the presentation data is printed or displayed by the receiving side apparatus; and

 a content generation step of associating the presentation data with the presentation control information and generating a content including information indicating the association, and the presentation data, and

 the step B includes:

 a content receiving step of receiving the content from the server;

 a presentation control information extraction step of extracting the presentation control information from the received content;

 an update judgment step of comparing presentation specification information included in the extracted presentation control information with presentation apparatus specification information related to a specification of an output by displaying or printing by the receiving side apparatus that is previously stored and judging whether to update the style sheet or not;

 a layout rule extraction step of extracting a layout rule indicating a selection range of parameters of presentation settings from the presentation apparatus specification information in the case where it is judged to update the style sheet as a result of the judgment;

 a style sheet update step of changing parameters in a style sheet with reference to the extracted layout rule and the style sheet; and

 a presentation step of printing or displaying of presentation data based on the updated style sheet.

46. **(Currently Amended)** A program stored on a computer-readable medium for a content generation apparatus used in a content presentation system including a distribution server having the content generation apparatus, and a receiving apparatus that receives a printing or displaying content from the distribution server and causes a second presentation apparatus which is one or of a printing apparatus and a displaying apparatus connected to the receiving apparatus to print or display the received printing or displaying content, the program causing a computer to perform a method comprising function as:

generating a presentation control information generation unit that generates presentation

control information that includes (i) presentation specification information concerning a presentation specification, the presentation specification being related to an output by displaying or printing by the first presentation apparatus, and the presentation specification being previously defined in order to guarantee uniqueness concerning a page layout of presentation data, and (ii) a style sheet describing presentation settings which is one of printing settings and display settings of the presentation data by one of the first presentation apparatus and a model of the first presentation apparatus; and

~~a content generation unit that associates associating~~ the presentation data with the presentation control information and generates a printing or displaying content including the presentation data and the presentation control information.

47. **(Currently Amended)** A program stored on a computer-readable medium for a receiving apparatus used in a content presentation system including a distribution server having a content generation apparatus, and the receiving apparatus that receives a printing and displaying content from the distribution server and causes a second presentation apparatus which is one ~~or of~~ a printing apparatus and a displaying apparatus connected to the receiving apparatus to print or display the received printing or displaying content, the program causing a computer perform a method comprising to function as:

receiving a content-receiving unit that receives the presentation content including presentation data which is one of printing data and displaying data, and presentation control information associated with the presentation data, the presentation control information including presentation specification information ~~related to~~ describing a presentation specification, the presentation specification being related to an output by printing or displaying by a first presentation apparatus, and the presentation specification being previously defined in order to guarantee uniqueness of a page layout of the presentation data, and a style sheet describing presentation settings which are used when the presentation data of content is printed or displayed by the first presentation apparatus;

extracting a presentation-control-information-extraction unit that extracts the presentation control information from the received presentation content;

obtaining, from a second presentation apparatus connected to the receiving apparatus, presentation apparatus specification information related to an output by printing or displaying by the second presentation apparatus;

comparing the presentation specification information included in the presentation control information with the obtained presentation apparatus specification information and judging whether to update the style sheet or not; and

outputting a content output unit that outputs the presentation data to the second presentation apparatus which is one of a printing apparatus and a displaying apparatus based on the presentation specification and the style sheet that are included in the presentation control information.

48. (Cancelled)